

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/093429 A3

(51) International Patent Classification:
G01N 21/64 (2006.01) *C07K 14/435* (2006.01)
G01N 33/52 (2006.01)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/IB2005/000795

(22) International Filing Date: 23 March 2005 (23.03.2005)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:
MI2004A000598 26 March 2004 (26.03.2004) IT

(71) Applicant (for all designated States except US): **BRINI, Marisa** [IT/IT]; Via Crescini 6/ter, I-35126 Padova (IT).

(71) Applicants and

(72) Inventors: **RIZZUTO, Rosario** [IT/IT]; Via Crescini 6/ter, I-35126 Padova (IT). **POZZAN, Tullio** [IT/IT]; Via Brenta Bassa 73, I-30031 Dolvo (IT). **PINTON, Paolo** [IT/IT]; Via L. Da Vinci 12, I-35132 Padova (IT). **GIORGIO, Carlotta** [IT/IT]; Via Roma 113, I-46037 Roncoferraro (IT).

(74) Agents: **IANNONE, Carlo, Luigi** et al.; Ing. Barzanò & Zanardo Roma S.p.A., Via Piemonte 26, I-00187 Roma (IT).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report: 13 April 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/093429 A3

(54) Title: METHOD FOR THE DETECTION OF INTRACELLULAR PARAMETERS WITH LUMINESCENT PROTEIN PROBES FOR THE SCREENING OF MOLECULES CAPABLE OF ALTERING SAID PARAMETERS

(57) Abstract: The invention relates to a method for the detection of intracellular parameters by means of luminescent recombinant protein probes for the screening of molecules capable of altering said target intracellular parameters.